L Number	Hits	Search Text	DB	Time stamp
1	1055	(determin\$5 with ((black?edge) or (black	USPAT;	2004/08/05 14:54
		near3 (edge or character or text))) same	US-PGPUB;	
		(((bright\$4 or light\$4) and saturation and	EPO; JPO;	
		hue)) or HSB)	DERWENT;	
			IBM_TDB	
2	1054	(determin\$5 with ((black?edge) or (black	USPAT;	2004/08/05 14:54
		near3 (edge or character or text))) with	US-PGPUB;	
		(((bright\$4 or light\$4) and saturation and	EPO; JPO;	
		hue)) or HSB)	DERWENT;	
		(3.4	IBM_TDB	2004/00/05 34 55
3	0	(determin\$5 with ((black?edge) or (black	USPAT; US-PGPUB;	2004/08/05 14:55
		near3 (edge or character or text))) with (((bright\$4 or light\$4) and saturation and	EPO; JPO;	
		hue) or HSB))	DERWENT;	
		nde, or nob),	IBM TDB	
4	1	(determin\$5 with ((black?edge) or (black	USPAT;	2004/08/05 14:58
*	-	near3 (edge or character or text))) same	US-PGPUB;	2001, 00, 03 11.30
		(((bright\$4 or light\$4) and saturation and	EPO; JPO;	
		hue) or HSB))	DERWENT;	
		,	IBM TDB	
5	1	((determin\$5 or detect\$3) with ((black?edge)	USPAT;	2004/08/05 15:00
_		or (black near3 (edge or character or	US-PGPUB;	, ,
		text))) same (((bright\$4 or light\$4) and	EPO; JPO;	
		saturation and hue) or HSB))	DERWENT;	
			IBM_TDB	
6	1	((determin\$5 or detect\$3) with ((black?edge)	USPAT;	2004/08/05 15:00
		or (black near6 (edge or character or	US-PGPUB;	
		text))) same (((bright\$4 or light\$4) and	EPO; JPO;	
		saturation and hue) or HSB))	DERWENT;	
			IBM_TDB	
7	3	((determin\$5 or detect\$3) with ((black?edge)	USPAT;	2004/08/05 15:02
		or (black near9 (edge or character or	US-PGPUB;	
		text))) same (((bright\$4 or light\$4) and	EPO; JPO;	
		saturation and hue) or HSB))	DERWENT;	1
	,	//3-1	IBM_TDB	0004/00/05 15 00
8	3	((determin\$5 or detect\$3) with ((black?edge)	USPAT;	2004/08/05 15:03
		or (black near9 (edge or character or text))) same (((bright\$4 or light\$4) and	US-PGPUB; EPO; JPO;	
		saturat\$3 and hue) or HSB))	DERWENT;	
		sacuracys and nacy or noby,	IBM_TDB	
9	6	((determin\$5 or detect\$3) with ((black?edge)	USPAT:	2004/08/05 15:04
	_	or (black near9 (pixel or edge or character	US-PGPUB;	
		or text))) same (((bright\$4 or light\$4) and	EPO; JPO;	
		saturat\$3 and hue) or HSB))	DERWENT;	
			IBM TDB	
10	9	((determin\$5 or detect\$3) with ((black?edge)	USPAT;	2004/08/05 15:19
		or (black near9 (pixel or edge or character	US-PGPUB;	
		or text))) same (((bright\$4 or light\$4 or	EPO; JPO;	
		luminance) and saturat\$3 and hue) or HSB))	DERWENT;	
		506070	IBM_TDB	0004/00/05
11	0	526878.an.	USPAT;	2004/08/05 15:19
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
12	5	526878.ap.	IBM_TDB USPAT;	2004/08/05 15:20
12	5	526878.ap.	US-PGPUB;	2004/08/05 15:20
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
13	108	Nabeshima-Takayuki.in.	USPAT;	2004/08/05 15:20
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
14	9	Nabeshima-Takayuki.in. and edge and black	USPAT;	2004/08/05 15:22
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	ĺ

15	0	Nabeshima-Takayuki.in. and edge and hue and saturation	USPAT; US-PGPUB; EPO; JPO;	2004/08/05 15:22
			DERWENT; IBM TDB	
16	1	Nabeshima-Takayuki.in. and hue and saturation	USPAT;	2004/08/05 15:24
		sacuration	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
17	1	Nabeshima-Takayuki.in. and lightness and	USPAT;	2004/08/05 15:24
		sacuration	US-PGPUB; EPO; JPO;	·
			DERWENT; IBM_TDB	
-	2	((detect\$3 near3 edge) and (pseudo-black or (pseudo near2 black))) and (358/\$.ccls. or	USPAT; US-PGPUB;	2004/07/14 14:34
		382/\$.ccls.)	EPO; JPO;	
			DERWENT; IBM_TDB	
-	31	(detect\$3 near3 edge and (quasi-black) or (quasi near2 black) or (pseudo-black) or	USPAT; US-PGPUB;	2004/01/09 14:42
		(pseudo near2 black)) and (345/\$.ccls. or 358/\$.ccls. or 382/\$.ccls.)	EPO; JPO; DERWENT;	
			IBM_TDB	
-	31	((detect\$3 near3 edge) and (quasi-black) or (quasi near2 black) or (pseudo-black) or	USPAT; US-PGPUB;	2004/01/09 14:44
		(pseudo near2 black)) and (345/\$.ccls. or 358/\$.ccls. or 382/\$.ccls.)	EPO; JPO; DERWENT;	
_	2	((detect\$3 near3 edge) and ((quasi-black) or	IBM_TDB USPAT;	2004/01/09 14:45
		(quasi near2 black) or (pseudo-black) or	US-PGPUB;	2004/01/09 14:45
		(pseudo near2 black))) and (345/\$.ccls. or 358/\$.ccls. or 382/\$.ccls.)	EPO; JPO; DERWENT;	
	0	((detect\$3 near3 edge) and ((quasi-black) or	IBM_TDB USPAT;	2004/01/09 14:46
		(quasi near2 black) or (pseudo-black) or (pseudo near2 black))) and (hue or	US-PGPUB; EPO; JPO;	
		chromaticity or chrominance)	DERWENT;	
-	5	((detect\$3 near3 edge) and ((quasi-black) or	<pre>IBM_TDB USPAT;</pre>	2004/01/09 14:48
		(quasi near2 black) or (pseudo-black) or (pseudo near2 black)))	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
-	10	edge same ((quasi-black) or (quasi near2	USPAT;	2004/01/09 14:52
:	i '	black) or (pseudo-black) or (pseudo near2 black))	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
-	47	(edge or text or character or line or dot or pixel) same ((quasi-black) or (quasi near2	USPAT; US-PGPUB;	2004/01/09 14:53
		black) or (pseudo-black) or (pseudo near2 black))	EPO; JPO;	
			DERWENT; IBM_TDB	
_	59	((edge or text or character or line or dot or pixel) same ((quasi-black) or (quasi	USPAT; US-PGPUB;	2004/01/09 14:53
		near2 black) or (pseudo-black) or (pseudo near2 black))) not8	EPO; JPO; DERWENT;	
_	27	((edge or text or character or line or dot	IBM_TDB USPAT;	2004/01/09 14:56
	3,	or pixel) same ((quasi-black) or (quasi	US-PGPUB;	2004/01/07 14:56
		near2 black) or (pseudo-black) or (pseudo near2 black))) not (edge same ((quasi-black)	EPO; JPO; DERWENT;	
		or (quasi near2 black) or (pseudo-black) or (pseudo near2 black)))	IBM_TDB	
-	94	edge near4 color near4 discrimina\$5	USPAT; US-PGPUB;	2004/01/09 14:57
			EPO; JPO;	
	<u> </u>		DERWENT; IBM_TDB	

-	20	((edge or text or line or character) near4 color near4 discrimina\$5) same (hue or	USPAT; US-PGPUB;	2004/01/09 20:06
		chromaticity or tinge)	EPO; JPO; DERWENT; IBM TDB	
-	54	region or dot or pixel) near4 color near4 discrimina\$5) same (hue or chromaticity or	USPAT; US-PGPUB; EPO; JPO;	2004/01/09 16:58
_	35	(((edge or text or line or character or	DERWENT; IBM_TDB USPAT;	2004/01/09 16:58
		region or dot or pixel) near4 color near4 discrimina\$5) same (hue or chromaticity or tinge)) and black	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
-	76	((edge or text or line or character) near4 color near4 difference) same (hue or chromaticity or tinge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/01/09 17:05
_	20	(((edge or text or line or character) near4 color near4 difference) same (hue or chromaticity or tinge)) and black	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/09 17:06
-	18	((((edge or text or line or character) near4 color near4 difference) same (hue or chromaticity or tinge)) and black) not (((edge or text or line or character) near4 color near4 discrimina\$5) same (hue or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/09 17:06
-	5	chromaticity or tinge)) ((detect\$3 near3 edge) same (brightness and saturation and hue)) and (358/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/01/09 14:22
-	4	(((determin\$5 or sort or extract\$3) near3 edge) same ((bright\$4 or luminan\$2) and saturation and hue)) and (358/\$.ccls. or 382/\$.ccls.)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/19 15:32
-	2	(((determin\$5 or sort or select or extract) near3 edge) same ((bright\$4 or luminan\$2) and saturation and hue)) and (358/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/19 15:44
_	7	(((determin\$5 or sort\$3 or select\$3 or extract\$3) near3 edge) same ((bright\$4 or luminan\$2) and saturation and hue)) and (358/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/24 08:33
-	9	(((determin\$5 or sort\$3 or select\$3 or extract\$3) near3 edge) same ((bright or brightness or luminance) and saturation and hue))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/24 08:26
-	2	(((determin\$5 or sort\$3 or select\$3 or extract\$3) near3 edge) same ((bright or brightness or luminance) and saturation and hue)) same black	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/24 08:26
-	10	discover or process or extract\$3 or detect\$3) near7 edge) same (brightness and	USPAT; US-PGPUB; EPO; JPO;	2003/12/24 08:43
		saturation and hue)) and (358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls. or 348/\$.ccls or 702/\$.ccls)	DERWENT; IBM_TDB	

-	5	discover or process or extract\$3 or detect\$3) near7 edge) same (brightness and saturation and hue)) and black and (358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/24 08:50
-	25	or 348/\$.ccls or 702/\$.ccls) (((determin\$5 or sort\$3 or select\$3 or identify or discover or process or extract\$3 or detect\$3) near9 edge) same ((lumin\$6 or brightness or lightness) and saturation and hue)) and black and (358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls. or 348/\$.ccls or 702/\$.ccls)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/24 09:05
-	8	(((determin\$5 or sort\$3 or select\$3 or identify or discover or process or extract\$3 or detect\$3) near9 edge) same ((lumin\$6 or brightness or lightness) and saturation and hue)) and (black near7 edge) and (358/\$.ccls. or 382/\$.ccls. or 345/\$.ccls. or 348/\$.ccls or 702/\$.ccls)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/24 09:06
-	2		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 14:25
-	19	(((pseudo or quasi) near5 black)) and (edge near4 (detect\$3 or sens\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 11:03
_	4	((((pseudo or quasi) near5 black)) and (edge near4 (detect\$3 or sens\$3))) and (light and saturat\$3 and hue)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 11:04
-	7	((pseudo or quasi) near5 black) near4 edge	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 11:19
-	198	Katayama and luminance and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/01/09 20:06
-	38	Katayama and luminance and threshold and edge and hue	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/01/09 20:07
-	7	Katayama.in. and luminance and threshold and edge and hue	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/01/09 20:07
-	240196	((scan or scanned or scanning or read or reading) near5 image)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/14 14:52
-	45713	((extract or extracting or extracted or detect or detecting or detected) near4 edge)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/19 12:45
-	664	((judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) with (black with edge))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 12:46

-		((receive or receiving or received or obtain or obtained or obtaining or calculate or derive or deriving or derived or calculating or calculated or extract or extracting or extracted or detect or detecting or detected) with ((brightness or lightness) and saturation and hue))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/14 15:03
-	2	(((scan or scanned or scanning or read or reading) near5 image)) and (((extract or extracting or extracted or detect or detecting or detected) near4 edge)) and (((judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) with (black with edge))) and (((receive or receiving or received or obtain or obtained or obtaining or calculate or derive or deriving or derived or calculating or calculated or extract or extracting or extracted or detect or detecting or detected) with ((brightness or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/14 15:05
	2	lightness) and saturation and hue))) (((extract or extracting or extracted or detect or detecting or detected) near4 edge)) and (((judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) with (black with edge))) and (((receive or receiving or received or obtain or obtained or obtaining or calculate or derive or deriving or derived or calculating or calculated or extract or extracting or extracted or detect or detecting or detected) with ((brightness or lightness) and saturation and hue)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/14 15:16
_	659	((black?edge) or (black near3 (edge or character or text)) adj (detector or detection or detected))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/14 15:28
	3	(((judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) with (black with edge))) and (((receive or receiving or received or obtain or obtained or obtaining or calculate or derive or deriving or derived or calculating or calculated or extract or extracting or extracted or detect or detecting or detected) with ((brightness or lightness) and saturation and hue)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/14 15:27
-	709		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/14 15:29

-	0	(((black?edge) or (black near3 (line or edge	USPAT;	2004/07/14 15:29
		or character or text)) adj (detector or	US-PGPUB;	
		detection or detecting or detected))) and	EPO; JPO;	
		(((judge or judged or judging or assess or	DERWENT;	
		assessment or assessing or assesses or	IBM_TDB	İ
		identify or identification or identified or		
		decided or decide or decision or deciding or determine or determination or		
		determining) with (black with edge))) and	•	
		(((receive or receiving or received or		
		obtain or obtained or obtaining or calculate		
		or derive or deriving or derived or		
		calculating or calculated or extract or		
		extracting or extracted or detect or		
		detecting or detected) with ((brightness or		
		lightness) and saturation and hue)))		
-	0	(((black?edge) or (black near3 (line or edge	USPAT;	2004/07/14 15:29
		or character or text)) adj (detector or	US-PGPUB;	
		detection or detecting or detected))) and	EPO; JPO;	
		(((receive or receiving or received or	DERWENT; IBM TDB	
l	i	obtain or obtained or obtaining or calculate or derive or deriving or derived or	I DM_IDB	
		calculating or calculated or extract or		
		extracting or extracted or detect or		
		detecting or detected) with ((brightness or		
		lightness) and saturation and hue)))		
-	63	(((black?edge) or (black near3 (line or edge	USPAT;	2004/07/14 15:29
		or character or text)) adj (detector or	US-PGPUB;	
		detection or detecting or detected))) and	EPO; JPO;	
		(((judge or judged or judging or assess or	DERWENT;	
		assessment or assessing or assesses or	IBM_TDB	
[identify or identification or identified or		
		decided or decide or decision or deciding or determine or determination or		
		determining) with (black with edge)))		
<u>-</u>	57406	((judge or judged or judging or assess or	USPAT;	2004/07/14 15:11
	3,100	assessment or assessing or assesses or	US-PGPUB;	
		identify or identification or identified or	EPO; JPO;	
		decided or decide or decision or deciding	DERWENT;	
		or determine or determination or	IBM_TDB	
		determining) with edge)		
-	2131	((judge or judged or judging or assess or	USPAT;	2004/07/14 15:13
		assessment or assessing or assesses or	US-PGPUB;	
		identify or identification or identified or	EPO; JPO;	
		decided or decide or decision or deciding or determine or determination or	DERWENT; IBM TDB	
		determining) with edge) same (black or "k"	1811_108	
		or noir)		
_	2373	(judge or judged or judging or assess or	USPAT;	2004/07/14 15:13
	25.3	assessment or assessing or assesses or	US-PGPUB;	
		identify or identification or identified or	EPO; JPO;	
	1	decided or decide or decision or deciding	DERWENT;	
		or determine or determination or	IBM_TDB	
		determining) same ((black or "k" or noir)		
		with edge)		0004/07/20 20 20
-	62059	((extract\$3 or detect\$3) near4 edge)	USPAT;	2004/07/19 13:00
	1		US-PGPUB; EPO; JPO;	
	1		DERWENT;	
	1		IBM TDB	
_	1092	((detect\$3 orjudge or judged or judging or	USPAT;	2004/07/19 12:48
		assess or assessment or assessing or	US-PGPUB;	
		assesses or identify or identification or	EPO; JPO;	
		identified or decided or decide or decision	DERWENT;	
		or deciding or determine or determination or	IBM_TDB	
	1	determining) near9 (black with edge))	-	
-	107213		USPAT;	2004/07/19 13:01
		assess or assessment or assessing or	US-PGPUB;	
		assesses or identify or identification or	EPO; JPO;	
		identified or decided or decide or decision	DERWENT;	
		or deciding or determine or determination or	IBM_TDB	
L		determining) near9 (color or hue))	L	

-	84381	((detect\$3 orjudge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision	USPAT; US-PGPUB; JPO	2004/07/19 14:34
-	5653	or deciding or determine or determination or determining) near9 (color or hue)) ((extract\$3 or detect\$3) near4 edge) and (358/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/07/19 12:52
-	1582	(((extract\$3 or detect\$3) near4 edge)) and (((detect\$3 orjudge or judged or judging or assess or assessment or assessing or assesses or identify or identification or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/07/19 13:02
		identified or decided or decide or decision or deciding or determine or determination or determining) near9 (color or hue))) and (358/\$.ccls. or 382/\$.ccls.)	IBM_TDB	0001/07/10 10 50
-	229	(((extract\$3 or detect\$3) near4 edge)) and (((detect\$3 orjudge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) near9 (color or hue))) and (358/2.1.ccls. or 358/2.1.ccls. or 358/3.27.ccls. 358/462.ccls. or 382/199.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 12:59
-	1403	((extract\$3 or detect\$3) near4 (color near6 edge))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 13:00
	108168	((detect\$3 or judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decision or deciding or determine or determination or determining) near9 (color or hue))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 13:01
-	448		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 13:03
_	138	(((extract\$3 or detect\$3) near4 (color near6 edge))) and (((detect\$3 or judge or judged or judging or assess or assessment or assessing or assesses or identify or identification or identified or decided or decide or decide or determination or determining) near9 (color or hue))) and (358/1.15.ccls. or 358/1.9.ccls. or 358/2.1.ccls. or 358/2.1.ccls. or 358/3.27.ccls. 358/462.ccls. or 382/199.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/19 13:16
-	984	(e-mail or electronic adj mail or e?mail or (internet adj mail)) near3 (group or grouping)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/07/19 13:18
-	253	(e-mail or electronic adj mail or e?mail or (internet adj mail)) nearl (group or grouping)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/19 13:19

345	(e-mail or electronic add mail or e?mail or	USPAT;	2004/07/19 13:20
343			
		•	
	grouping, and (train or rain or raining)	DERWENT;	
		IBM TDB	
112	(e-mail or electronic add mail or e?mail or	USPAT;	2004/07/19 13:21
		US-PGPUB;	
	grouping) same (?fax or fax or facsimile)	EPO; JPO;	
		DERWENT;	
		IBM_TDB	
17	((e-mail or electronic adj mail or e?mail or	USPAT;	2004/07/19 13:22
	(internet adj mail)) adj2 address) near3	US-PGPUB;	
	(group or grouping) same (?fax or fax or	EPO; JPO;	ĺ
	facsimile)		
		_	
1540			2004/07/19 14:36
	_	1	
		350	
	,	TTO DA III	2004/07/19 14:36
64			2004/07/19 14:36
		UPO	
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